FEDERAL CUSTOM CABLE

N CONNECTOR SPECIFICATIONS

FEATURES :

- Accommodates a wide range of medium to miniature-sized RG coaxial cables
- High mechanical strength, high durability with low VSWR
- Threaded coupling ensures stability in vibration intensive applications

APPLICATIONS :

- Base Stations
- WLAN
- Instrumentation
- Telecom
- Radios
- Wireless Network Antennas

ELECTRICAL SPECIFICATIONS

Impedance	50 Ω / 75 Ω
Frequency Range	0 – 11 GHz / 0 – 3 GHz
Working Voltage	≤ 1500 VRM
Dielectric Withstanding Voltage	2500 VRMS
VSWR	Straight : 1.15 max
	Right Angle : 1.2 max
Contact Resistance	Center Contact : ≤ 1 mΩ
	Outer Contact : ≤ 0.2 mΩ
Insulator Resistance	5000 MΩ min.

MATERIAL SPECIFICATIONS

Body and outer contacts	Brass, nickel or silver or Albaloy plated
Male contact	Brass, gold plated
Female contact	P. Bronze or Beryllium Copper, gold or silver plated
Insulator	PTFE
Crimp ferrule	Copper or brass, nickel or silver or Albaloy plated

MECHANICAL SPECIFICATIONS

Coupling mating torque	6 – 10 in-lbs
Cable Retention	60 lbs min.
Durability (matings)	500 cycles min.

ENVIRONMENTAL

Compliant with the requirements for RoHS Directive 2001/65/eu issued June 8, 2011

Temperature Range	-65°C to +165°C

stability in vibration intensive

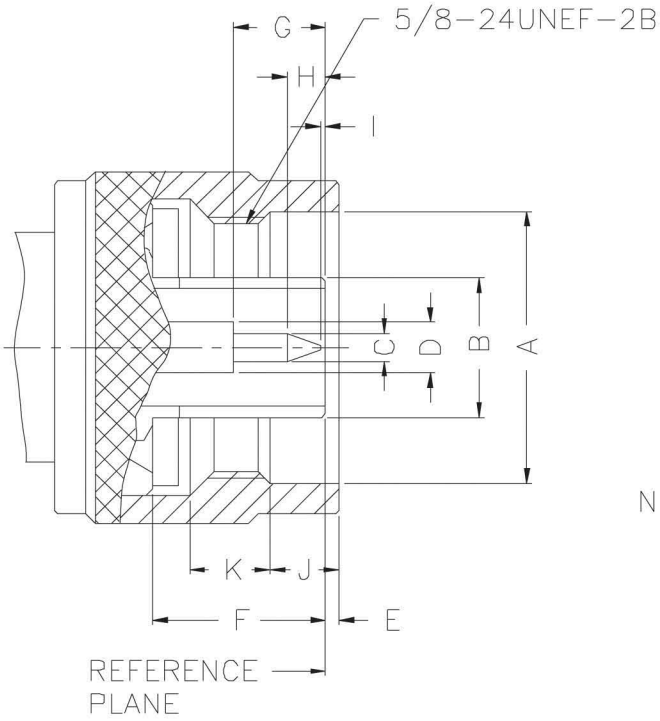
applications

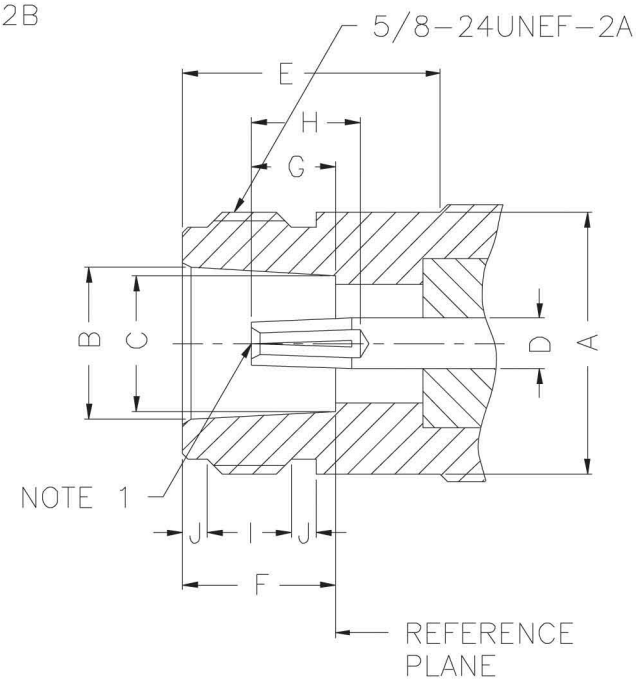
1891 Alton Prkwy | Irvine, California 92606

Local Call: (949) 851-3114 | Toll Free: (888) 440-8688 | Local Fax: (949) 852-8136 | Toll Free Fax: (800)874-2444

N MATING DIMENSIONS

INTERFACE MATING DIMENSIONS





PLUG		
Letter	Millimeters	
	Minimum	Maximum
A	16.00	-
B	-	8.38
C	1.60	1.68
D	3.00	3.15
E	0.41	1.52
F	10.11	10.46
G	5.33	5.84
H	3.30	4.32
I	0.08	-
J	4.01	4.27
K	4.50	5.00

JACK		
Letter	Millimeters	
	Minimum	Maximum
A	-	15.93
B	8.53	8.74
C	8.03	8.13
D	3.00	3.15
E	10.72	-
F	9.04	9.19
G	4.75	5.26
H	5.33	-
I	4.37	5.13
J	1.19	1.96

Note 1 : I.D. to meet VSWR and contact resistance when mated with 1.6/1.68 mm dia. pin.

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